

PI 3 Kinase p85β Polyclonal Antibody

Catalog No: YT6024

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: PI3 Kinase p85 β

Fields: >>EGFR tyrosine kinase inhibitor resistance;>>Endocrine

resistance;>>Platinum drug resistance;>>ErbB signaling pathway;>>Ras

signaling pathway;>>Rap1 signaling pathway;>>cAMP signaling

pathway;>>Chemokine signaling pathway;>>HIF-1 signaling pathway;>>FoxO signaling pathway;>>Phosphatidylinositol signaling system;>>Sphingolipid signaling pathway;>>Phospholipase D signaling pathway;>>Autophagy - animal;>>mTOR signaling pathway;>>Pl3K-Akt signaling pathway;>>AMPK signaling pathway;>>Apoptosis;>>Longevity regulating pathway;>>Longevity

regulating pathway - multiple species;>>Cellular senescence;>>Axon guidance;>>VEGF signaling pathway;>>Osteoclast differentiation;>>Focal adhesion;>>Signaling pathways regulating pluripotency of stem cells;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Toll-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>JAK-STAT signaling pathway;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling

pathway;>

Gene Name: PIK3R2

Protein Name : Phosphatidylinositol 3-kinase regulatory subunit beta (PI3-kinase regulatory

subunit beta) (PI3K regulatory subunit beta) (PtdIns-3-kinase regulatory subunit

beta) (Phosphatidylinositol 3-kinase 85 kD

Human Gene Id: 5296

Human Swiss Prot 000459

No:

Mouse Gene Id: 18709

Mouse Swiss Prot 008908

No:

Immunogen: Synthetic peptide from human protein at AA range: 1-60

1/4



Specificity: The antibody detects endogenous PI 3-Kinase p85β

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500-2000 IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 82kD

Location:

Cell Pathway: ErbB_HER;Chemokine;Phosphatidylinositol signaling system;mTOR;Apoptosis_

Inhibition; Apoptosis_Mitochondrial; Apoptosis_Overview; VEGF; Focal adhesion; Toll Like; Jak STAT; Natural killer cell mediated cytoto

Background : Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates

phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene. [provided by RefSeq,

Dec 2012],

Function: function:Binds to activated (phosphorylated) protein-tyrosine kinases, through its

SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane.,similarity:Belongs to the PI3K p85 subunit family.,similarity:Contains 1 Rho-GAP domain.,similarity:Contains 1 SH3

domain.,similarity:Contains 2 SH2 domains.,subunit:Heterodimer of a p110

(catalytic) and a p85 (regulatory) subunits.,

Subcellular nucleus, cytosol, phosphatidylinositol 3-kinase complex,

Expression : Brain, Epithelium, Kidney, Placenta,

Tag: orthogonal

Sort : 1

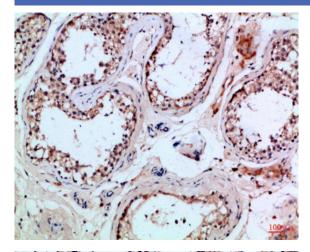


No4: 1

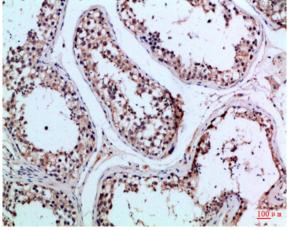
Host: Rabbit

Modifications: Unmodified

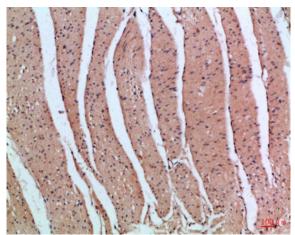
Products Images



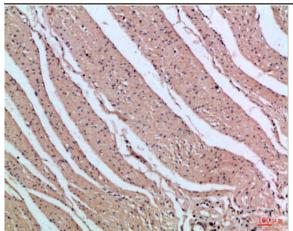
Immunohistochemical analysis of paraffin-embedded Humantestis, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Humantestis, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Humancolon, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Humancolon, antibody was diluted at 1:100